

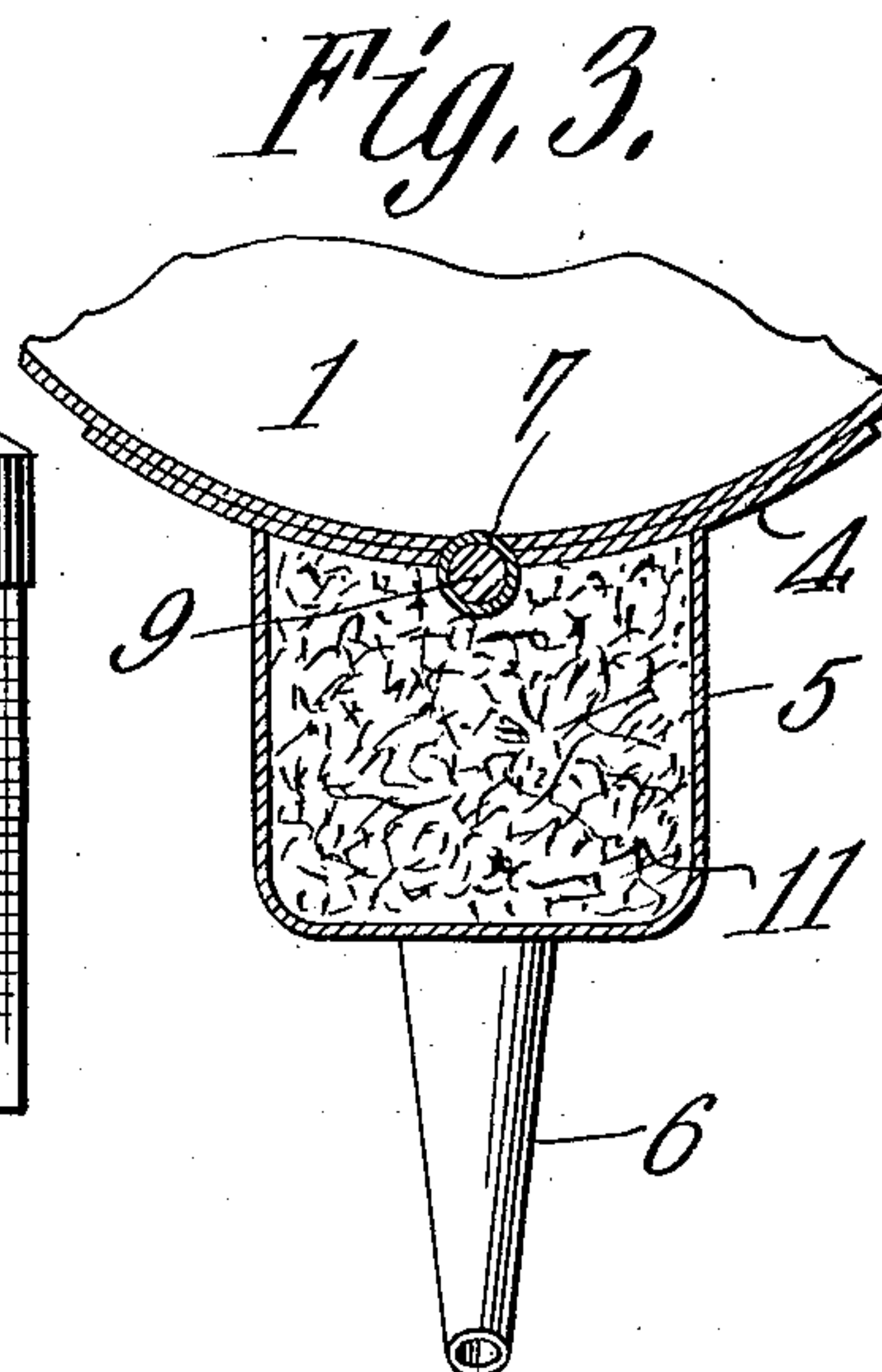
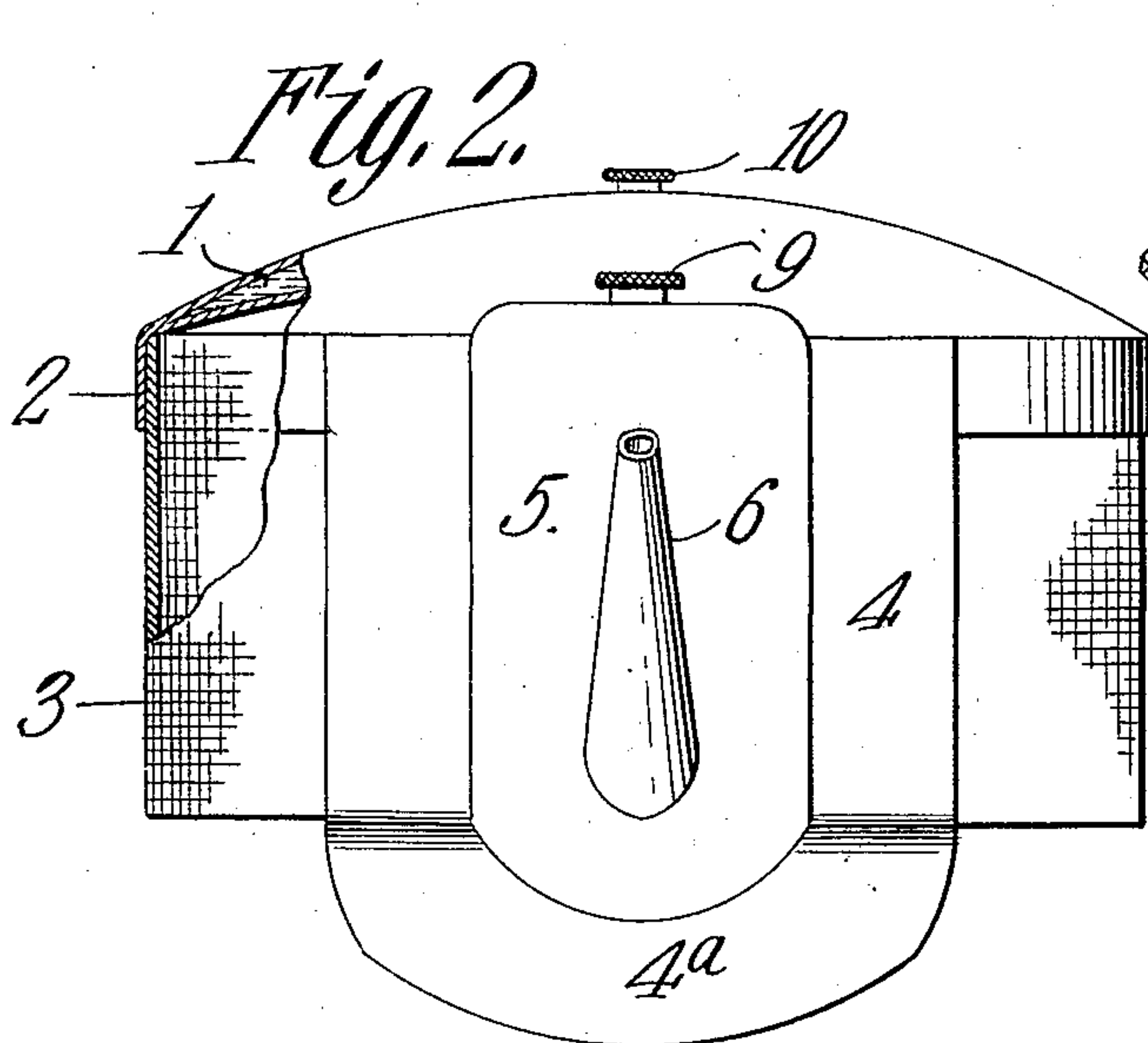
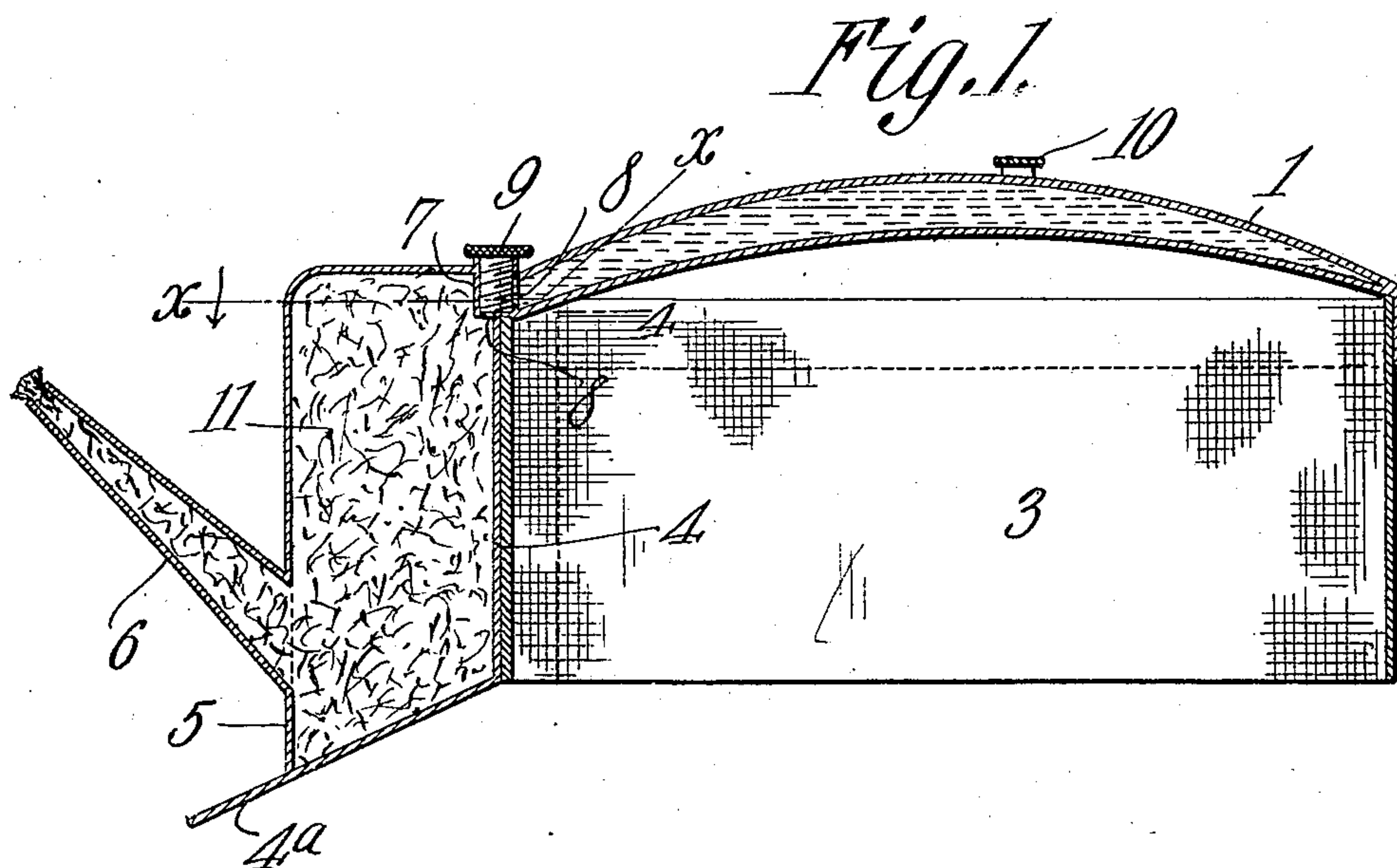
No. 886,441.

PATENTED MAY 5, 1908.

S. J. THOMPSON.

MINER'S LAMP.

APPLICATION FILED JULY 1, 1907.



WITNESSES:

E. J. Hannel
 Herbert D. Lawson

Samuel J. Thompson,

INVENTOR.

By

Chenoweth

ATTORNEYS

UNITED STATES PATENT OFFICE.

SAMUEL J. THOMPSON, OF BLUEFIELD, WEST VIRGINIA.

MINER'S LAMP.

No. 886,441.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed July 1, 1907. Serial No. 381,746.

To all whom it may concern:

Be it known that I, SAMUEL J. THOMPSON, a citizen of the United States, residing at Bluefield, in the county of Mercer and State of West Virginia, have invented a new and useful Miner's Lamp, of which the following is a specification.

This invention relates to miners' lamps and more particularly to a combined cap and lamp and the object of the invention is to provide a lamp the reservoir of which constitutes the crown of the cap there being means whereby the flow of oil from the reservoir to the wick can be readily controlled.

A still further object is to provide a lamp having a fibrous filling interposed between the reservoir and the wick so that the explosion of the lamp is prevented.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a longitudinal section through the combined lamp and cap constructed in accordance with the present invention. Fig. 2 is a front elevation thereof, a portion being shown in section. Fig. 3 is a section on line $x-x$, Fig. 1.

Referring to the figures by characters of reference, 1 designates a reservoir substantially oval in outline and concavo-convex, said reservoir having a flange 2 extending from the periphery thereof and secured in any suitable manner upon the outer face of a fabric band 3 constituting the body of the cap. A guard plate 4 is located upon the front portion of the reservoir and extends outside of the band 3 terminating in a vizer 4^a and secured to or formed with this plate is a receiver 5 from the bottom portion of which extends a spout 6 designed to hold the wick of the lamp. An internally screw threaded casing 7 is disposed within the upper portion of the receiver 5 at its point of

connection with the reservoir 1 and said receiver communicates with the reservoir through minute openings 8 in the casing 7.

A screw plug 9 is mounted within the casing and by rotating the same the discharge of oil from the reservoir and through the openings 8 into the receiver can be readily controlled. The reservoir is provided with an inlet which is normally closed by means of a screw plug 10. The receiver is preferably filled with mineral wool or other fibrous material 11.

In using the device herein described the reservoir 1 is filled with oil and the plug 9 is unscrewed so as to partly or entirely open the apertures 8. Oil is therefore free to pass through said openings into the receiver where it is absorbed by the wick. The lamp can be conveniently worn upon the head and by employing a crown which constitutes a reservoir a large quantity of oil can be carried. The fibrous filling serves to prevent the lamp from exploding. Obviously the minute adjustment afforded by the plug 9 enables the flow of the oil to be readily controlled.

What is claimed is:

A cap having a front guard plate, a vizer extending therefrom, a receiver, said vizer and guard plate constituting the bottom and rear wall respectively of the receiver, a concavo-convex reservoir extending from the upper portion of the guard plate and opening into the receiver, means for controlling the passage of oil from the reservoir to the receiver, a plate holder extending from the receiver, and a flexible band secured to the guard plate and to the edge portions of the reservoir, said reservoir constituting the crown of the cap.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

SAMUEL J. THOMPSON.

Witnesses:

R. H. BAILEY,
JOHN MORGAN.